



# SPYWOLF

## Security Audit Report



Audit prepared for  
**PepeRun**

Completed on  
**March 09, 2024**





# KEY RESULTS

Cannot mint new tokens	Passed
Cannot pause trading (honeypot)	Passed
Cannot blacklist an address	Passed
Cannot raise taxes over 25%?	Not Passed
No proxy contract detected	Passed
Not required to enable trading	Passed
No hidden ownership	Passed
Cannot change the router	Passed
No cooldown feature found	Passed
Bot protection delay is lower than 5 blocks	Passed
Cannot set max tx amount below 0.05% of total supply	Passed
The contract cannot be self-destructed by owner	Passed

For a more detailed and thorough examination of the heightened risks, refer to the subsequent parts of the report.

N/A = Not applicable for this type of contract

\*Only new deposits/reinvestments can be paused





# OVERVIEW

This goal of this report is to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

”

- SPYWOLF Team -





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# PepeRun



## PROJECT DESCRIPTION

### **According to their website:**

PEPERun, born out of PEPE's epic success and newfound wealth, got a little too comfortable living the high life.

Faced with the realization that he had become the chonky meme of the crypto world, PEPE decided to embark on a hilarious journey to shed those extra meme pounds.

**Release Date:** Presale starts in March, 2024

**Category:** Meme token



# CONTRACT INFO

Token Name

PepeRun

Symbol

PEPERun

Contract Address

0x7739D5a4d04E023b6e1AA1a50E6Eb277644235c7

Network

Binance Smart Chain

Language

Solidity

Deployment Date

March 09, 2024

Contract Type

Token with taxes

Total Supply

28,000,000,000

Status

Not launched

## TAXES

Buy Tax  
**none**

Sell Tax  
**1%**

\*Taxes can be changed in future



## Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



# TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	280000000000 PEPErun
Median Transfer Amount	280000000000 PEPErun
Average Transfer Amount	280000000000 PEPErun
First transfer date	2024-03-09
Last transfer date	2024-03-09
Days token transferred	1

# SMART CONTRACT STATS

Calls Count	4
External calls	0
Internal calls	4
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2024-03-09 02:52:39 UTC
Created	2024-03-09 02:52:39 UTC
Create TX	0x97dce0690775bc25824c665e6fc2bc53cf7d3c257e2b61960d6f891466b461d3
Creator	0x8e96576506F75B23A059e48cCb1044a9F650041d



# FEATURED WALLETS

Owner address	0x8e96576506F75B23A059e48cCb1044a9F650041d
Admin address	Same as owner
LP address	0xde82D480A980d9D26a4Ea9067855458971D82D25

## TOP 3 UNLOCKED WALLETS

100%	Same as owner Tokens are not distributed yet
N/A	
N/A	





# VULNERABILITY ANALYSIS

ID	Title	
SWC-100	Function Default Visibility	Passed
SWC-101	Integer Overflow and Underflow	Passed
SWC-102	Outdated Compiler Version	Passed
SWC-103	Floating Pragma	Passed
SWC-104	Unchecked Call Return Value	Passed
SWC-105	Unprotected Ether Withdrawal	Passed
SWC-106	Unprotected SELFDESTRUCT Instruction	Passed
SWC-107	Reentrancy	Passed
SWC-108	State Variable Default Visibility	Passed
SWC-109	Uninitialized Storage Pointer	Passed
SWC-110	Assert Violation	Passed
SWC-111	Use of Deprecated Solidity Functions	Passed
SWC-112	Delegatecall to Untrusted Callee	Passed
SWC-113	DoS with Failed Call	Passed
SWC-114	Transaction Order Dependence	Passed
SWC-115	Authorization through tx.origin	Passed
SWC-116	Block values as a proxy for time	Passed
SWC-117	Signature Malleability	Passed
SWC-118	Incorrect Constructor Name	Passed



# VULNERABILITY ANALYSIS

ID	Title	
SWC-119	Shadowing State Variables	Passed
SWC-120	Weak Sources of Randomness from Chain Attributes	Passed
SWC-121	Missing Protection against Signature Replay Attacks	Passed
SWC-122	Lack of Proper Signature Verification	Passed
SWC-123	Requirement Violation	Passed
SWC-124	Write to Arbitrary Storage Location	Passed
SWC-125	Incorrect Inheritance Order	Passed
SWC-126	Insufficient Gas Griefing	Passed
SWC-127	Arbitrary Jump with Function Type Variable	Passed
SWC-128	DoS With Block Gas Limit	Passed
SWC-129	Typographical Error	Passed
SWC-130	Right-To-Left-Override control character (U+202E)	Passed
SWC-131	Presence of unused variables	Passed
SWC-132	Unexpected Ether balance	Passed
SWC-133	Hash Collisions With Multiple Variable Length Arguments	Passed
SWC-134	Message call with hardcoded gas amount	Passed
SWC-135	Code With No Effects	Passed
SWC-136	Unencrypted Private Data On-Chain	Passed



# VULNERABILITY ANALYSIS

## NO ERRORS FOUND



# MANUAL CODE REVIEW

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When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time.

We categorize these vulnerabilities by 4 different threat levels.

## THREAT LEVELS

### High Risk

---

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

### Medium Risk

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Issues on this level are critical to the smart contract's performance, functionality and should be fixed before moving to a live environment.

### Low Risk

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Issues on this level are minor details and warning that can remain unfixed.

### Informational

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Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



# FOUND THREATS

## Medium Risk

**Owner can set buy/sell/transfer fees up to 25%.**

Combined buy+sell = 50%.

When fees are above 0, there will be certain amount of tokens that will be deducted from every transaction that users make.

Deducted amount will be as much as the fees % from total amount that user had bought, sold and/or transferred.

```
function adminFeesSetup(uint16 _buyFee, uint16 _sellFee, uint16 _transferFee) public onlyOwner {
    totalFees[0] = totalFees[0] - adminFees[0] + _buyFee;
    totalFees[1] = totalFees[1] - adminFees[1] + _sellFee;
    totalFees[2] = totalFees[2] - adminFees[2] + _transferFee;
    require(totalFees[0] <= 2500 && totalFees[1] <= 2500 && totalFees[2] <= 2500,
        "TaxesDefaultRouter: Cannot exceed max total fee of 25%");

    adminFees = [_buyFee, _sellFee, _transferFee];

    emit adminFeesUpdated(_buyFee, _sellFee, _transferFee);
}

function autoBurnFeesSetup(uint16 _buyFee, uint16 _sellFee, uint16 _transferFee) public onlyOwner {
    totalFees[0] = totalFees[0] - autoBurnFees[0] + _buyFee;
    totalFees[1] = totalFees[1] - autoBurnFees[1] + _sellFee;
    totalFees[2] = totalFees[2] - autoBurnFees[2] + _transferFee;
    require(totalFees[0] <= 2500 && totalFees[1] <= 2500 && totalFees[2] <= 2500,
        "TaxesDefaultRouter: Cannot exceed max total fee of 25%");

    autoBurnFees = [_buyFee, _sellFee, _transferFee];

    emit autoBurnFeesUpdated(_buyFee, _sellFee, _transferFee);
}

function liquidityFeesSetup(uint16 _buyFee, uint16 _sellFee, uint16 _transferFee) public onlyOwner {
    totalFees[0] = totalFees[0] - liquidityFees[0] + _buyFee;
    totalFees[1] = totalFees[1] - liquidityFees[1] + _sellFee;
    totalFees[2] = totalFees[2] - liquidityFees[2] + _transferFee;
    require(totalFees[0] <= 2500 && totalFees[1] <= 2500 && totalFees[2] <= 2500,
        "TaxesDefaultRouter: Cannot exceed max total fee of 25%");

    liquidityFees = [_buyFee, _sellFee, _transferFee];

    emit liquidityFeesUpdated(_buyFee, _sellFee, _transferFee);
}
```

- Recommendation:
  - Buy and sell fees combined should not exceed 25%.



# FOUND THREATS

## Informational

Owner can exclude address from fees.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function excludeFromFees(address account, bool isExcluded) public onlyOwner {  
    isExcludedFromFees[account] = isExcluded;  
  
    emit ExcludeFromFees(account, isExcluded);  
}
```



100% of total supply will be distributed for  
presale on Pinksale's platform based on the  
project's whitepaper and/or website.

# TOKENOMICS



# WEBSITE

## Website URL

<https://peperun.me/>

## Domain Registry

<https://www.namecheap.com/>

## Domain Expiration

2025-03-07

## Technical SEO Test

Passed

## Security Test

Passed. SSL certificate present

## Design

Single page design with appropriate color scheme and graphics.

## Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

## Whitepaper

No

## Roadmap

Yes, goals set without time frames.

## Mobile-friendly?

Yes



# peperun.me





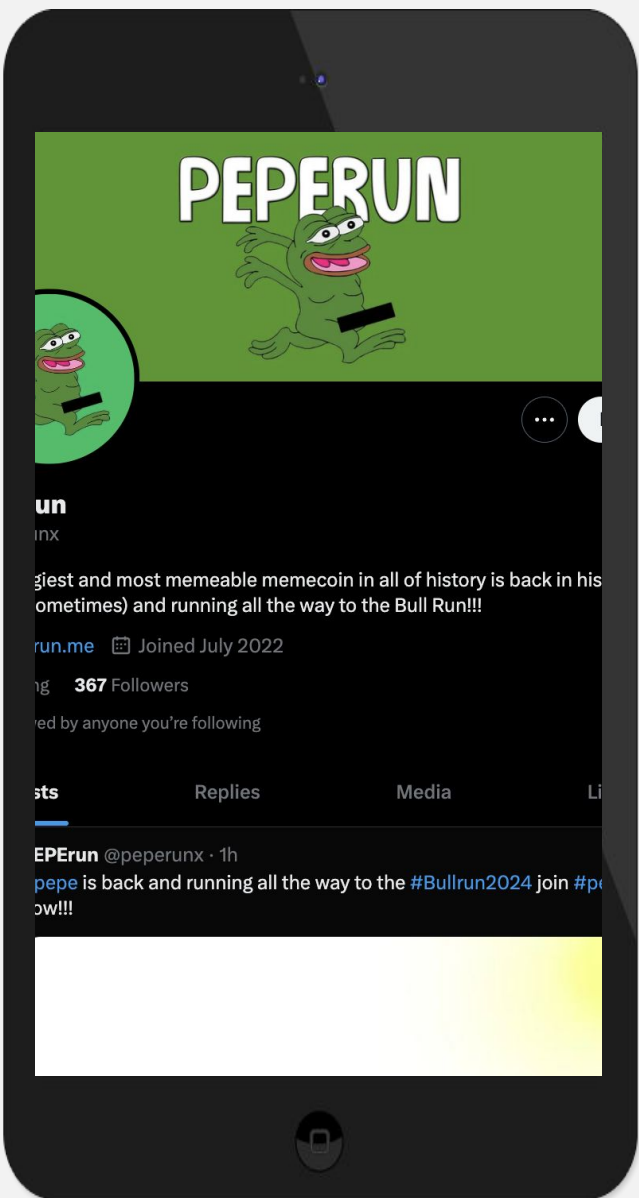
# SOCIAL MEDIA

## & ONLINE PRESENCE



ANALYSIS

Project's social media pages are new



Twitter's X

@peperunx

- 333 followers
- 2 posts total
- New account



Discord

- Not available



Telegram

@peperunchat

- 5 members
- New account



Medium

- Not available



# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

# ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 700 SUCCESSFUL CLIENTS
- ✓ MORE THAN 1000 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

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# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.

